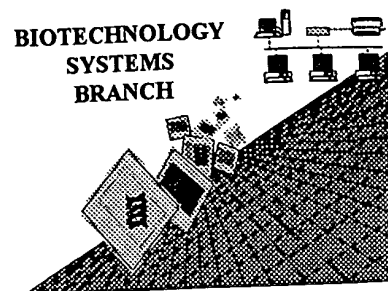


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/30/704
Art Unit / Team No. : 0186
Date Processed by STIC: 5/10/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

Raw Sequence Listing Error Summary

SERIAL NUMBER: 09/30/2004

ERROR DETECTED SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ☒ Wrapped Nucleics

The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 ☐ Wrapped Aminos

The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 ☐ Incorrect Line Length

The rules require that a line not exceed 72 characters in length. This includes spaces.
All text must be visible on page.

4 ☐ Misaligned Amino Acid Numbering

The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 ☐ Non-ASCII

This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 ☐ Variable Length

Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.

7 ☐ Wrong Designation

Sequence(s) ☐ contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)

8 ☐ Skipped Sequences (OLD RULES)

Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS: (Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 ☐ Skipped Sequences (NEW RULES)

Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 ☒ Use of n's or Xaa's (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 ☐ Use of <213> Organism (NEW RULES)

Sequence(s) ☐ are missing this mandatory field or its response.

12 ☐ Use of <220> Feature (NEW RULES)

Sequence(s) ☐ are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial" or "Unknown".
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)
(Sec. 1.823 of new Sequence Rules)

13 ☐ PatentIn ver. 2.0 "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

PAGE: 1

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/301,704

 DATE: 05/10/1999
 TIME: 14:54:52

Input Set: I301704.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply
Corrected Diskette Needed

1 <110> Schembri, Mark Andrew
 2 Klemm, Per
 3 <120> Novel multifunctional adhesin proteins
 4 and their display in microbial cells
 5 <130> 21352 PC 1
 6 <150> PA 1998 00598
 7 <151> 1998-04-30
 8 <160> 46
 9 <170> FastSEQ for Windows Version 3.0

ERRORED SEQUENCES FOLLOW

E--> 10 <210> 8
 11 <211> 24
 12 <212> DNA
 13 <213> Artificial Sequence
 14 <220>
 15 <223> Oligonucleotide for the construction of a
 16 double-stranded poly histidine segment (Example 1)
 17 <400> 8
 E--> 18 gatctcatca ccatcatcac catg
 19 24

see item 1 on Error summary sheet

format error

24

E--> 20 <210> 9
 21 <211> 24
 22 <212> DNA
 23 <213> Artificial Sequence
 24 <220>
 25 <223> Oligonucleotide for the construction of a
 26 double-stranded poly histidine segment (Example 1)
 27 <400> 9
 E--> 28 gatccatggt gatgatggtg atga
 29 24

same error

24

E--> 30 <210> 10
 31 <211> 54
 32 <212> DNA
 33 <213> Artificial Sequence
 34 <220>
 35 <223> Template oligonucleotide
 36 <400> 10
 E--> 37 ggacgcagat ctvnnvnnvn nvnvnnvnn vnnvnnvna gatctagcac cagt

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/301,704DATE: 05/10/1999
TIME: 14:54:52

Input Set: I301704.RAW

same error

W--> 38 54

E--> 39 <210> 11
40 <211> 15
41 <212> DNA
42 <213> Artificial Sequence
43 <220>
44 <223> Primer oligonucleotide
45 <400> 11
E--> 46 actggtgcta gatct
47 15

same

(all attached for more error)

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/301,704DATE: 05/12/1999
TIME: 11:52:41

Input Set: I301704.RAW

45 Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln 240
46 225 230 235
47 Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn 255
48 245 250
49 Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly 270
50 260 265
51 Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn 285
52 275 280
53 Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln 300
54 290 295
55 <210> SEQ ID NO 2
56 <211> LENGTH: 7
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Binding motif
61 <400> SEQUENCE: 2
W--> 62 His Xaa Xaa Xaa His Arg Ser 5
63 1
64 <210> SEQ ID NO 3
65 <211> LENGTH: 7
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Binding motif
70 <400> SEQUENCE: 3
W--> 71 Arg Xaa Xaa Xaa His Arg Ser 5
72 1
73 <210> SEQ ID NO 4
74 <211> LENGTH: 7
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Binding motif
79 <400> SEQUENCE: 4
W--> 80 Ser Lys Xaa Xaa His Arg Ser 5
81 1
82 <210> SEQ ID NO 5
83 <211> LENGTH: 7
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Binding motif
88 <400> SEQUENCE: 5
W--> 89 Ser Arg Xaa Xaa His Arg Ser 5
90 1
91 <210> SEQ ID NO 6
92 <211> LENGTH: 7
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence

*See Item 10 on Ena Summary Sheet**Item 10**Item 10**Item 10*

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/301,704DATE: 05/12/1999
TIME: 11:52:41

Input Set: I301704.RAW

95 <220> FEATURE:
96 <223> OTHER INFORMATION: Binding motif *item 10*
97 <400> SEQUENCE: 6
W--> 98 Thr Lys Xaa Xaa His Arg Ser
99 1 5
100 <210> SEQ ID NO 7
101 <211> LENGTH: 7
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Binding motif *item 10*
106 <400> SEQUENCE: 7
W--> 107 Thr Arg Xaa Xaa His Arg Ser
108 1 5
109 <210> SEQ ID NO 8
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Oligonucleotide for the construction of a
115 double-stranded poly histidine segment (Example 1)
116 <400> SEQUENCE: 8 24
117 gatctcatca ccatcatcac catg
118 <210> SEQ ID NO 9
119 <211> LENGTH: 24
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Oligonucleotide for the construction of a
124 double-stranded poly histidine segment (Example 1)
125 <400> SEQUENCE: 9 24
126 gatccatggt gatgatggtg atga
127 <210> SEQ ID NO 10
128 <211> LENGTH: 54
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Template oligonucleotide *item 10*
133 <400> SEQUENCE: 10
W--> 134 ggacgcagat ctvnnvnnvn nvnnvnnvnn vnnvnnvnnna gatctagcac cagt 54
135 <210> SEQ ID NO 11
136 <211> LENGTH: 15
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Primer oligonucleotide
141 <400> SEQUENCE: 11 15
142 actggtgcta gatct
143 <210> SEQ ID NO 12
144 <211> LENGTH: 13

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.